

Hydraulic Rotary Transfer Drawing Press, by
M. A. Trofimov, 3pp.

RUSSIAN, per, Kuznechno-Shtampovochnoye
Proizvodstvo, No 6, 1962, pp 28, 29, 30.

JPRS 15302

212,548

USSR
Econ

Oct 62

Forging Molybdenum and Alloys on Its Base,
by T. V. Vorontsova, N. N. Morgunova, 11 pp.

RUSSIAN, per, Kuznechno-Shtampovochnoye
Proiz, No 8, 1962, pp 8-11. 9668358

FTD-TT-62-1789

sci-m/m
apr 63

229,424

MODERNIZATION OF CRANK DROP-FORGING PRESSES
AT THE VORONEZH HEAVY MECHANICAL PRESSES PLANT,
BY V. I. DEGTAREV, P. N. VYSOTSKIY, 10 PP.

RUSSIAN, PER, KUZNECHNO-SHTAMPOVOCHNOYE
PROIZVODSTVO, NO 10, 1962, PP 39-42.

JPRS 16627

USSR
ECON
SCI - ENGR
DEC 62

216,88304

How to Avoid Internal Transverse Tears During the
Forging of Ingots of High-Alloy Steels and Alloys,
by M. Ya. Izugutov, B. F. Vakhtanov.

RUSSIAN, par, ~~Kuznechno-Shtampov~~ Proizvodstvo,
No 2, 1963, pp 7, 8.

HB 5915

Sci-N/M

Aug 63

343,510

Formation of Stretcher Strains in Sheet Metal During
Plastic Forming Processes, by A. D. Tolstov.

RUSSIAN, per, *Kuznechn. Shtamp. Proizv.*, No 2, 1963,
pp 17-19.

HB 6033

Met & Met
Oct 63

345,183

Oxidation and Decarburisation of Steel in Air
Furnaces With Partial Burning of Natural Gas,
by V. H. Kostyakov, A. E. Erinov.

RUSSIAN, per. Kuznechno-Shtampovyechnos
Proizvodstva, Jan 1963, pp 29-32.

BISI 3229

Sci - M/n
Aug 63

342, 167

THE SCIENTIFIC-TECHNICAL CONFERENCE ON THE
EXPERIENCE OF DESIGNING AND OPERATION OF
AUTOMATIC LINES OF THE FORGING-STAMPING INDUSTRY,
BY S. L. ZLOTNIKOV, 5 PP.

RUSSIAN, PER, KUZNECHNO-SHTAMPOVOCHNOYE
PROIZVODSTVO, NO 1, 1963, PP 48-49.

JPRS 18301

USSR
ECON
AP
R

225,690

63

How to Avoid Internal Transverse Tears During the
Forging of Ingots of High-Alloy Steels and Alloys,
by N. Ya. Dzugutov, B. P. Vakhtinov.

RUSSIAN, per, Kuznechno-Shtampov Proizvodstvo,
No 2, 1963, pp 7, 8.

HE 5915

Sci-14/84

Aug 63

Formation of Stretcher Strains in Sheet Metal During
Plastic Forming Processes, by A. D. Tomlenov.

RUSSIAN, per, Kuznechn. Shtamp. Proizv, No 2, 1963,
pp 17-19.

HB 6033

Mat & Met

OCT 63

High-Velocity Forming of Turbine Blades,
by V. G. Kononenko, Yu. A. Boluykin.
RUSSIAN, per, Kuznetsovo-Stroy. Proizvodstvo,
No 3, March 1963, pp 10-13.
HB 5790

Sci-Mech Indus Civ Mar Engr
Oct 66

310,527

New Impact Testing Machines for High-Speed Mechanical Testing of Materials, by V. G. Monomenko, S. G. Kushnarenko, et al, 16 pp.

RUSSIAN, per, Tekhnicheskoe Stroitel'stvo Proizvodstvo, No 5, 1963, pp 27-31.

9227034

AEC/A/RE Tr 49

Sci-Tech
Apr 65

277,062

Effect of Oxygen-Free Heating on the Surface State
of Steel, by V. P. Nikiforov, V. A. Kuromedov.
RUSSIAN, per, Kuznechno-Shrampovochnoe
Proizvodstvo, No 6, 1963, pp 31-33.
BISI 36109

Sci - M/M
May 64

257,030

ANALYSIS OF TECHNOLOGICAL AND ECONOMIC INDICES IN
GEAR WHEEL STAMPING WITH TEETH FORMING, BY V. A.
KROKHA, O. V. PROTOPOV, ET AL, 7 PP.

RUSSIAN, PER, KUZNECHNOSHTAMPOVOVHNOYE PROIZVODSTVO,
NO 7, 1963, PP 31-34,

JPRS 21102

USSR
ECON
SEP 63

343,824

Results of Investigations of New Types of Furnace
for the Scale-Free Heat Treatment of Steel,
by M. M. Efros.
RUSSIAN, par, *Kuznechno-Shtampovochnoye
Proizvodstvo*, Vol V, No 8, 1963, pp 33-37.
BISI 3683

Sci - Engr
Jun 64

260,258

SPECIALIZATION OF FORGING IN THE DONETS DNEPR
INDUSTRIAL REGION, BY V. P. SKIDAN, 11 APP.

RUSSIAN, PER, KUZNECHNO SHTAMPOVOCHNOYE PROIZ, NO 9,
1963, PP 37-41.

JPRS 21880

USSR
ECON
NOV 63

242,247

The Scale-Free Heat Treatment of Metal for
Drop Forging in a Semi-Continuous Pusher-Type
Furnace, by V. N. Kosyakov, A. E. Erinov.
RUSSIAN, per; Kuznechno-Shtampovnochnoye
Proizvodstvo, No 10, 1963, pp 32-36.
BISI 3684

Sci - Engr
Jun 64

260,270

Determination of the Induction Heating
Time of Titanium Alloy Billets for
Pressure Working, by I. I. Bezruchko,
M. S. Aysikovich, 15 pp.
RUSSIAN, per, Kuznechno-Shtampovochnoye,
No 12, 1963, pp 27-31. 9697520
FTD-12-65-427

Sci-T/M
Aug 65

287,058

Electro-Pneumatic Guard for Mechanical
Presses, by V. I. Barbot.
RUSSIAN, per, Kuznechno-Stampovochnoe
Proizvodstvo, 1963, No 12, pp 38.
NLL RRS 2674 (On Loan or Purchase)

Aug 65

288,097

High-Speed Closed-Impression Die Forging, by
Yu. P. Sogrishin, O. V. Protopopov, 11 pp.
RUSSIAN, per, Kuznechno-Shtani Proiz, No 3, 1964,
pp 11-16. 9696052
FTD-IT-64-815

Sci - Engr
Feb 65

275,604

7800-Ton Hydraulic Straightening Presses,
by N. I. Nayguz, M. N. Basin, 5 pp.
RUSSIAN, per, Kuznechno-Shtampovochnoye
Proizvodstvo, No 1, 1964, pp 40-42.
JPRS 5044

2 also JPRS 24819
USSR
Econ
Jun 64

261,638

An Investigation into the Heating of
Steel in Molten Glass, by A. D. Akimenko,
A. I. Kozlov, et al.
RUSSIAN, per. Kuznechno-ShtAMP Proizvodstvo,
No 4, 1964, pp 37-38.
EB 6001

USSR
Sci/1044
Jan 65

284,674

Drop Forging Ring and Bushing Type
Parts From Liquid Steel, by L. A. Zubov,
L. I. Began.
RUSSIAN, per. Kuznechno-Shtampov, Vo
Vol 4, Nov 1964, pp 16-19.
RISI 4250

Sci/834
Jul 65

234,672

Basic Parameters of the Technology of Forging
Rotors from R2 and B1-415 Steels, by N. V.
Tikhomirov
RUSSIAN per, Kuznechno-shtamp Proizv. No 6:
183-9, 1964
CRL/D 708

Sci-mat

385,811

Some Problems of Stamping Sintered Aluminum Powder
Sheet, by G. S. Sakharov, I. P. Tsipulin, et al, 8 pp.
RUSSIAN, per, Kuznechno-Shtampovoch Proiz, No 7,
1964, pp 16-18.
JPRS 27004

Sci - M/M
Nov 64

268,898

Cause of the Appearance of Internal Cracks in
Forgings made From Steel EI481, by
V.I. Moshkov.
RUSSIAN, per, Kuznechno-Shtamp Proizv, Vol 2, 1962,
pp 15,
CRL/D.705
Vol117, No 3, 1969

July 69

385-208

Raising the Plasticity of OKh23N18 and Kh23N18
Steel Ingots During Hot Deformation, by
E.I. Moshkevich.
RUSSIAN, per, Kuznecho-Shtamp Proizv. Vol 4, 1963,
pp 18-19.
CRL/D.716
Vol 17, No 3, 1969

July 69

385-207

Properties and Application of Modern Die Steels for
Hot Stamping, by Yu. A. Geller, Ye. S. Golubeva,
10 pp.

RUSSIAN, per, ~~Kuznechno Shtampovachnoye Proiz~~,
No 8, 1964, pp 12-15.

JPRS 27715

Sci-Mat&Met
Jan 65

272,355

Effect of Surface Friction in the Deep Drawing
Process, by V. A. Timoshchenko.
RUSSIAN, per, Kuznetsovo-Shtanpovochnoe
Proizvodstvo, No 8, Aug 1964, pp 18-19.
HB 6369

Sci/MkM
May 65

278,487

Power Indices in the Induction Heating of
Titanium Alloys for Hot Stamping, I. I.
Bezruclko, M. S. Ayzikovich, 5 pp.

RUSSIAN, per, Kuznechno Shtampovchnoye
Proiz, No 8, 1964, pp 37-38.

JPRS 27715

Sci-Mat&Met
Jan 65

272,356

Welding up of Internal Cracks in the Forging of
High-Alloy Steels and Alloys, by B. F. Vakhtanov,
Ya. M. Okhrimenko.
RUSSIAN, per, Kuznechno-Shamp, Proizvodstvo, No 9,
Sep 1964, pp 12-16.
HE 6298

Sci/MIM
Apr 65

277,122

Study of the Process of Drawing Down Heavy
Forgings With and Without Previous Upsetting of
the Ingot, by G. Juretzek, G. Richter.
RUSSIAN, per, Kuznechn.-Stalno. Proizvodstvo,
No 10, Oct 1964, pp 4-8.
HB 6425

USSR
Sci/M&M
May 65

280,713

Some Problems in the Use of Fused Glass for the
Non-Oxidizing Heating of Steel Billets, by
A. D. Akimenko, A. I. Kozlov, et al.
RUSSIAN, per, Kuznechno-ShTAMP. Proizvodstvo,
No 11, 1964, pp 37-39.
HB 6662

Sci/M&M
Apr 66

298,884

Guardsmen in the Attack and in Defense,
by I. D. Kirin, V. Ye. Poleshchuk, 31 pp. FOR
OFFICIAL USE ONLY
RUSSIAN, Ek, Kuznitsa Ofitserakikh Kadrov, 1961,
pp 55-125.
ACSI 1-3190
ID 2244398
519th MI Bn

USSR
MI
Jul 64

263,345

Quantum Electrodynamics, by A. Akhiezer.

RUSSIAN, bk, Kvantovaya elektrodinamika, Moscow,
1959, pp. - 656

* Interscience Publishers

Table of Contents and Introduction of
"Quantum Electrodynamics," by A. I. Aldiyev,
V. B. Berestetskiy, 22 pp.

RUSSIAN, in, Kvantovaya Elektrodinamika,
publ by State Publishing House of Technical-
Theoretical Literature, Moscow, 1953.

CIA/FDD/X-1822

Scientific - Physics
dex only

26, 811

Quantum Electrodynamics, by A. I. Akhiezer,
V. G. Beresetskii, 549 pp.

RUSSIAN, bk, Kvantovaya Elektrodinamika, Moscow,
1953.

AEC Tr 2876

Sci - Physics
Aug 57

51,829

Elements of Quantum Electrodynamics, by A. I.
Akhiezer and V. B. Berestetsk'y, 301 p.
RUSSIAN, mono, Kvantovaya Elektrodinamika, Chap
1-4, 7, 1959.
IPST-813

Sci-Phys
Jul 66

304,485

63-22695

Sokolov, A. A. [Loskutov, Yu. M. and others].
QUANTUM MECHANICS, 1963, 700p.
Order from Scripta Technica, Inc., 1000 Vermont
Ave., N. W., Washington, S. D. C.

Trans. of mono. [Kvantovaya Mekhanika, Moscow,
1962, 590p].

DESCRIPTORS: *Quantum mechanics, Nuclei, *Ele-
mentary particles, *Field theory, *Relativity theory,
Spin.

(Physics--Theoretical TT, v. 10, no. 12)

I. Sokolov, A. A.
II. Loskutov, Yu. M.
III. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Quantum-Electronic Theory of Amorphous Conductors,
by A. I. Gubanov. 295 pp;

RUSSIAN, bk, Kvantovo-elektronnaya Teoriya
Amorfnykh Provodnikov, 1963, pp 1-250.

AIR/IED/ET-24-250-69

MT-24-250-69

sci/physics

~~sci-70~~ air 70

404,534

Quantum Mechanics, by L. D. Landau, E. M. Lifshitz.

RUSSIAN, bk, ~~Kvantum Mekh~~,

Pergamon Press Ltd.
4 & 5 Fitzroy Square
London, W. 1.
80s.0d

Apr 59

Quasi-Classical Model of Triple Fission,
by B. T. Geylikman, G. I. Khlebnikov, 11 pp.
RUSSIAN, rpt, Kvasiklassicheskaya Model' Troynogo
Deleniya, Moscow, 1964, pp 3-9. 9226146
AEC-ANL-Tr-68

Sci-Nucl Sci
Jan 65

270,598

TRI-62-52

The Quasi-Linear Theory of Plasma Oscillations,
by A. A. Vedenov, E. P. Velikhov, et al.

RUSSIAN, rpt, Kvazilineinaya Teoriya Ostsillyatsii
Plazmy,

*JPRS for AEC

Sci
Oct 61

Quasi-Averages in Problems of Statistical
Mechanics, by N. N. Bogolyubov, 59 pp.
RUSSIAN, bk, Kvazizredniye v Zadachakh
Statisticheskoy Mekhaniki, 1961, 123 pp.

ACSI 1-6186

ID 2204055764

TT-64-23510

Sci - Math
Apr 65

277,874

The Problem of Aid to Underdeveloped Countries,
by R. G. Iskandarov, 70 pp.

RUSSIAN, bk, E Voprosu o Pomoshchi Slabozvitym
Stranam, Moscow, 1960, pp 2-84.

JPRS 16141.

USSR
Econ
Nov 62

217, 375

Cooling Efficiency of the Perforated Flame Tube
of a Gas Turbine Combustion Chamber, by
V. A. Khristich & A. M. Shevchenko.
RUSSIAN, rpt, L Vestn. Kiyevsk. politekhn. in-ta.
Ser. teploenerg., No 1, 1964, pp 50-57.
*FTD-MT-24-92-68

Sci/Mech Engr
Apr 68

Work Protection and Safety Measures, by I.A. Rokhlina,
7 pp.

RUSSIAN, Tr. Laborant i Pomoshchnik Laboranta Neft
Zavoda, 1952, pp 140-149.

AF 601359

USSR
Economic-Industrial Protection

Feb 54/CTB 6497

Transportation, Storage, Preparation, Testing of
Petroleum, 5 pp.

RUSSIAN, bk, Laborant*1*Pomoshchnik Laboranta
Neftepererabatyvayushchego Zavoda

AF 601843

USSR
Economic - Petroleum

Jan 54 CTB/DEK

CIA 21.11117

8608

Labor Organization and Wages, by I. A. Rokhlina, 3 pp.

RUSSIAN, bk, Laborant i Pomoshchnik Laboranta
Neftepererabivayushchego Zavoda, . 1952, 1953, 1954, Rpt IAI-370-53.

AF 601214

USSR
Economic - Petroleum Industry
CIA 2107742

CTS/DEX

8389

Laboratornoye Delo (in file as
Laborator Delo)

Laboratorii Dlya (in file as
Laborator Dlya)

New Method for the Quick Quantitative
Determination of Thiamine in Aqueous
Solutions, by Yu. M. Ostrovskiy, 4 p.

RUSSIAN, per, Lab Delo, 1956, Vol II, No 2,
pp 9-12.

SIA 59-15384

Sci
Dec 59
Vol 2, No 6

104,130

Quantitative Determination Method of the True
Vitamin B₁₂ by Bio-Autography, by T. P.
Verkhovtseva, E. I. Surikova, 5 p.

RUSSIAN, per, Lab Delo , 1957, Vol III, No 2,
pp 24-26.

BLA 59-15892

Sci
Dec 59
Vol 2, No 6

104,231

Use of a Stereoscopic Microscope for Bacterial
Examination, by V. V. Vlodavets, 2 pp.

RUSSIAN, per, Laboratornoye Delo, No 1, 1958,
pp 45, 46.

*ACSI I-1368
ID 2198519

Sci - Med

14 May 62

Rapid Method for the Determination of Nitrogen Oxides in the Air, by L. A. Kokhov, V. S. Khalturin.

RUSSIAN, per, Lab Delo, Vol IV, No 2, 1958, pp 26-27.

Sci-Chem
Dec 63

ATS RT-4080

244.882

Quantitative Determination of Amino Acids on Chromatograms by Means of the Formation of Copper Derivatives With Nitrohydrin, by G. N. Zaitseva, N. P. Tyuleneva, 7 pp.

RUSSIAN, per, Izv Delo, Vol XIII, No 3, 1958, pp 24-30.

~~SECRET~~
ATS 50129R

ATS-RJ-1988

103,609

Sci
Dec 59
Vol 2, No 5

61-19718

Malakhov, Yu. A.
THE RELATION OF THE SACCAROLYTIC PROPERTIES OF LISTERIA TO THE pH OF THE MEDIUM.
[1961] 3p. [CWL] Trans. 31; Misc Tr 444.
Order from ODS or SEA \$1.10

61-19718

Trans. of Laboratornoye Delo' (USSR) 1958 [v. 4]
no. 3, p. 44-46

DESCRIPTORS: *Listeria, *Hydrogen ion concentration,
Physiology.

I. Malakhov, Yu. A.
II. CWL Trans-31
III. CWL Misc Tr-444
IV. Army Chemical Corps,
Fort Detrick, Md.

195166

Office of Technical Services

(Biological Sciences--Microbiology, TT, v. 6, no. 8)

61-12601

Mokhov, L. A., Udalov, Yu. P., and Khalturin, V. S.

QUANTITATIVE DETERMINATION OF NITRITES AND OXIDES OF NITROGEN IN PUBLIC HEALTH PRACTICE, tr. by E. R. Hope. Sep 60, 2p. 2 refs. Directorate of Scientific Information Services T 341 R. Order from NRCC m\$0.50, p\$1.50 NRCC C-3474

Trans. of Laboratornoye Delo (USSR) 1959, v. 5, no. 2, p. 43-46.

151471

*Don't National Sec
AF Canada*

(Engineering--Sanitation, TT, v. 5, no. 8)

1. Nitrogen oxides--
Determination
2. Nitrites--Determination
3. Public health
- I. Mokhov, L. A.
- II. Udalov, Yu. P.
- III. Khalturin, V. S.
- IV. DSIS-T-341-R-9043754
- V. NRCC C-3474
- VI. Directorate of Scientific
Information Services
(Canada)

Office of Technical Services

Method for Bacteriological Investigation of the
Upper Layers of the Atmosphere, by Ya. G. Kishko.

RUSSIAN, per, Lab Delo, Vol V, No 5, 1959, pp
37939. 9072203.

USDA

Sci - Bibl

Oct 60

129,841

Trans. V-1607

9072200

MASLOV, A. I.
Prostoi metod opredeleniya razmerov
chastits aerolei
[Simple method of determining the dimen-
sions of aerosol particles]
Laboratornye Delo. 5(5):42. Sept./Oct.,
1959. (Not in DA)

(in Russian)

Quantitative Determination of Nitrites and
Oxides of Nitrogen in Public Health Practice,
by L. A. Mokirvo, Yu. F. Udalov.
RUSSIAN, per, Laboratornoye Delo, Vol 5, No 2,
1959, pp 45-46.
DRB Canada
T 341 R

Nov 69

396,771

Development of Sanitary and Bacteriological
Laboratories in Moscow Province for Forty Years,
by V. A. Bashenin, E. V. Shestakova,

RUSSIAN, per, Laboratornoye Delo, Vol V, No 6, Nov/
Dec 1959, p 55-.

*USDA

Sci - Med
Sep 60

List 32

S-134/60

(NY-3546).

Medium for Detecting Toxic Strains of Cl.

Perfringens Type A, B, C, D, F, by H. D. Richards.

5 pp.

RUSSIAN, per, Laboratornaya Delo, No 1, 1960,

pp 40-43.

JPRS 2558

Sci - Biology

May 60

115,347

Trans. V-1659

0075533

SHAPOSHNIKOV, E. A.

Premenenie apparata Yu. A. Krotova dlya
bakteriologicheskogo issledovaniya vozdukha
na gorodskom transporte

[Use of Yu. A. Krotov's apparatus for
bacteriological analysis of the air in
urban transportation conveyances]

Laboratornoe Delo 6(2):53-54. Mar./Apr. 1960.
Not in DA Lib. SWA 61-19650

(In Russian)

Kafedra Gig. (Zav. - Prof. F.S.
Okolov) Kubanskogo Meditsinskogo
Instituta

The Problem of Early Diagnosis of Cancer of the
Uterine Cervix, by N. V. Fedorova, 4 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VI, No 3,
May/Jun 1960, pp 4-6.

JPRS 3911

Sci - Med

Sep 60

126,091

Laznikova, T.N., Makarevich, V.G. and Trofimova, T.G.
DÉTERMINATION COLORIMÉTRIQUE DE LA CHLOR-
TÉTRACYCLINE DANS UN BOUILLON DE CULTURE
TROUBLE (Colorimetric Determination of Chlortetra-
cycline in Turbid Culture Liquids). 4p. 1ref.
CNRS-XXI 307.
Order from OTS, ETC or CNRS \$1.10 TT-62-28906

Trans. in French of Laboratornoe Delo (USSR) 1960,
v.6, no.4, p.23-24.

DESCRIPTORS: *Chlortetracycline, Culture media,
Actinomyces, Colorimetric analysis.

(Chemistry--Analytical, TT, v. 11, no. 7)

TT-62-28906

I. Laznikova, T.N.
II. Makarevich, V.G.
III. Trofimova, T.G.
IV. CNRS-XXI 307
V. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

Brucella *Review* (NY 6209)
A Simplified Method of Isolating Brucella Hemo-
cultures, by O. P. Dushina, N. I. V. *et al.*
RUSSIAN, per, Laboratornoye Delo, Vol VI, No 5,
1960, pp 5-6.
5-7.

*JPRS

Sci - Med

1 Jun 61

~~_____~~
The Possibility of Using an Antigen From Khar'kov
Biofabrika for the Serodiagnosis of Brucellosis in
Humans, by N. I. Veden'yeva, Kh. B. Guz, Ya. L.
Svitsent,

RUSSIAN, per, Laboratornoye Delo, Vol VI, No 5, 1960,
pp 6-7.

Sci - Med

29 May 61

~~_____~~
*BU/Special

(SF-1414)

The Methodology of Investigated Gas Metabolism in
the Inspiration of Large Concentrations of Oxygen,
by V. P. Beragliy, 4 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VI, No 5,
1960, pp 22-24.

JPRS 4381

Sci - Med

Feb 61

140,966

A New Device for Bacteriological Investigation of
the Air of High Altitude, by Ya. G. Eshko, V. I.
Filippov.

RUSSIAN, per, Lab Delo, No 5, 1960, pp 51-52.
CIA 9074564

USDA

Sci - Biology
Feb 61

138,477

(NY-6116)

Rastinon and Its Effect on the Peripheral Blood,
by L. A. Golubeva, 4 pp.

RUSSIAN, per, Lab Delo, Vol VI, No 6, Nov/Dec 1960,
pp 3, 4.

JPRS 9160

15,238

Sci - Med

May 61

(NY-6116)

Concerning the Methods of Virological Study of the
Blood of Leucosis Patients, by G. A. Piskunova,
A. S. Shubin, V. N. Kolmykova, 11 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VI, No 6,
Nov/Dec 1960, pp 12-18.

JPRS 9161

Sci - Med

May 61

154,442

Selective Medium for the Isolation of Streptococcus
Viridans From the Air, by L. S. Sarochinskaya.

RUSSIAN, ger, Lab Delo, Vol VI, No 6, 1960, pp 26, 27.

9075520

USDA

Sci - Medicine
Feb 61.

140, 114

Culture Medium for the Cultivation of the Anthrax
Bacillus in Capsule Form, by A. V. Mashkov.

RUSSIAN, Pr., Lab Delo, Vol VI, No 6, 1960, pp 27-29.
CIA 9075521

Sci - Medicine
Apr 61

PSDA

143,452

Electrocryoscopy With a Thermistor (Semi Micro Method).

RUSSIAN, per, Laboratoronoye Delo, Attachment to
RA Beirut 170-62 (IR 51579/8), Moscow, 1961.

Navy Trans 3316/ONI 929

Sci - Electron
Mingos Mar 63

224,754

S-136/61

(SF-1628).

Histochemical Cytodiagnosis of Cancer of the Uterine
Cervix, by A. V. Khokhlov, Ye. F. Opaleva, 2 pp.

RUSSIAN, per. Laboratornoye Delo, Vol VII, No 2, 1961,
pp 10-11.

*JPRS 4572

Sci - Med

13 Mar 61

S-136/61

(SF-1628).

Luminescent Microscopy in the Cytodiagnosis of
Cancer of the Uterine Cervix, by A. V. Khokhlov,
Ye. F. Opaleva, 2 pp.

RUSSIAN, per Laboratornoye Delo, Vol VII, No 2, 1961,
pp 12.

JPRS

4572

Sci - Med

13 Mar 61

(NY-6290)

An Experiment in Obtaining Cultures From a Single
Bacterial Cell, by P. I. Yemel'yanov, 6 pp.

RUSSIAN, per, Laboratornoye Delo, No 3, 1961,
pp 29-31.

JPRS 9315

Sci - Biol

155,084

Jun 61

S-225/61

(NY 656).

The Methodology of the Study of Air Microflora With
the Aid of Filtering Materials, by Ya. G. Kishko,

RUSSIAN, per, Laboratornoye Delo, Vol VII, No 3,
1961, pp 37-38.

*JPRS

Sci - Med

4 May 61

(NY-6290)

A New KK Instrument for Bacteriological Investigation of Air at Negative Temperatures, by V. S. Kiktenko, N. I. Kashanova, S. I. Kudryavtsev, N. I. Pushchin, 5 pp.

RUSSIAN, per, Laboratornoye Delo, No 3, 1961,
pp 38-40.

JPRS 9316

155,479

Sci - Biol
Jun 61

S-225/61

NY-6350).

The Observation of Influenza Virus in the Air,
by K. S. Kichatova,

RUSSIAN, per, Laboratornoye Delo, Vol VII, No 3,
1961, pp 40-42.

*JPRS 9-46

Sci - Med

4 May 61

S-225/61

(NY-6350).

Bacterial Contamination in a Motion Picture Theater,
by V. P. Yelfimov, V. K. Mayveyuk,

RUSSIAN, per, Laboratornoye Delo, Vol VII, No 3,
1961, pp 42-43.

6 *JPRS

Sci - Med

4 May 61

(SP-1952)

Concerning the Preservation of the Phenol-Resistance
of Cold Cultures and Staphylococci Used in Control of
Disinfectants, by B. L. Skura-Burand, M. A.
Zolotarevskiy, 5 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VII, No 6, 1961,
pp 41-44.

JPRS 10413

174, 026

Sci - Med

(LC-6614)

Method of Artificially Infecting Ixodes Ticks
With *Ehrlichia*, by S. F. Shimanovskiy,
N. F. Gamaleya, 5 pp.

RUSSIAN, per, Laboratornoye Delo, Vol VII,
No 6, 1961, pp 49-50.

JPRS 1309A

Sci - Med
Apr 62

190, 616

(NY-6800)

An Apparatus for the Automatic Counting
of Bacterial Aerosol β Particles, by
V. S. Kiktenko, Yu. P. Safronov,
S. I. Kubyavtsev, R. I. El'man,
B. P. Pyedarov, et al, 6 pp.

RUSSIAN, per, Laboratornoye Delo,
Vol VII, No 10, 1961, pp 27-60

JPRS 11238

176, 215

Sci - Chem
Dec 61

(BY-7117)

Dry Medium for Diagnosis of Alimentary
Intoxications Due to Clostridium Botulinum
and Clostridium Perfringens, by L. G.
Ivanova, T. I. Sergeyeva, 11 pp.

RUSSIAN, par, Lab Delo, No 4, 1962,
pp 33-36.

JPRS 14033

Sci. - Chem
Jun 62

199, 220

Fluorimeter Determination of Thiamine, Riboflavin, 4-Pyridoxic Acid and N(1)-Methylnicotinamide in Urine, by P. D. Starshov, 12 pp.
RUSSIAN, per, Laboratorne Delo, Vol VIII, No 6, 1962, pp 37-42.
CSIR-tr-538

Sci-Chem
Jun 67

327,049

63-19382

Senenko, A. N.
DETERMINATION OF THE OSMOTIC RESISTANCE
OF THE LEUKOCYTES. [1963] [12]p. 11 refs.
FASEB manuscript no. S 208-2.
Order from OTS or SLA \$1.60

63-19382

Trans. of Laboratornoe Dallo (USSR) 1962 [v. 8]
no. 7, p. 9-14.

DESCRIPTORS: *Osmotic pressure, *Leukocytes,
Blood, Cells (Biology), Determination, Diseases,
Spleen, Physical properties, Biochemistry, Solutions,
Permeability.

Determination of the osmotic resistance of the
leukocytes is an additional method of investigation
giving evidence of changes in their physico-chemical
properties. When the osmotic resistance of the
leukocytes to a 0.2% solution of sodium chloride was
(Biological Sciences - Pathology, TT, v. 10, no. 2)
(over)

- I. Senenko, A. N.
- II. FASEB S-208-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D.C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-19383

Dantsig, I. I. and Kantorovich, A. S.
A TURBIDIMETRIC MODIFICATION OF THE ESTI-
MATION OF FIBRINOGEN USING A PHOTOELEC-
TRIC COLORIMETER. [1963] [6]p. 7 refs. FASEB
manuscript no. S 211-2.
Order from OTS or SLA \$1.10

63-19383

Trans. of Laboratorno Delo (USSR) 1962, v. 8, no. 7,
p. 22-24.

DESCRIPTORS: *Fibrinogen, *Blood proteins,
Quantitative analysis, Photoelectric effect, *Colorimet-
ric analysis, Diseases.

(Biological Sciences--Biochemistry, TT, v. 10, no. 3)

1. Title: Turbidimetric
analysis
- I. Dantsig, I. I.
- II. Kantorovich, A. S.
- III. FASEB S-211-2
- IV. Federation of American
Societies for Experimental
Biology, Washington, D.C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-19384

Gusev, S. I. and Sokolova, E. V.
VOLUMETRIC MICRODETERMINATION OF CHLO-
RIDES IN SUBSTANCES OF BIOLOGICAL ORIGIN.
[1963] [7]p. 5 refs. FASEB manuscript no. S 213-2.
Order from OTS or SLA \$1.10 63-19384

Trans. of Laboratornbe Delo (USSR) 1962, v. 8, no. 7,
p. 30-33.

DESCRIPTORS: *Volumetric analysis, *Microanalysis,
*Chlorides, Naphthalenes, Amines, Pyridines, Chemi-
cal reactions, Synthesis, Lead compounds, Complex
compounds, Chemical indicators, *Urine, *Blood
serum, Rabbits.

A method of determination of chloride ions by means
of β -hydroxynaphthyl- α -aminopyridine is described.
The method is sufficiently rapid, and is no less ac-
curate than the argentometric method. (Author)
(Biological Sciences--Biochemistry, TT, v. 10, no. 5)

- I. Gusev, S. I.
- II. Sokolova, E. V.
- III. FASEB S-213-2
- IV. Federation of American
Societies for Experimen-
tal Biology, Washington,
D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-23044

Raikher, I. I. Mirskova, V. N. and others.
FRACTIONATION OF IMMUNE SERA BY ELECTRO-
PHORESIS ON STARCH PLATES. [1963] [8]p. 5 refs.
FASEB manuscript no. S-214-2.
Order from OTS or SLA \$1.10 63-23044

Trans. of Laboratories, Delo (USSR) 1962, v. 8, no. 7,
p. 36-39.

DESCRIPTORS: Separation, *Proteins, *Immune
serums, *Electrophoresis, Starches.

A method for determining simultaneously several pro-
tein fractions present in immune sera is described. A
potato starch solution mixed with a buffer solution is
distributed over the bottom of a glass dish which is
partitioned lengthwise by a glass rod. Two strips of
filter paper are placed on the edge of the dish to make
contact with the electrodes. A second layer of buffer
(Biological Sciences--Biochemistry, TT, v. 10, no. 9)
(over)

- I. Raikher, I. I.
- II. Mirskova, V. N.
- III. FASEB S-214-2
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Sokolovskii, V. V.
DETERMINATION OF BLOOD SULFHYDRYL GROUPS
BY AMPEROMETRIC TITRATION. [1963] [11]p. 5 refs.
FASEB manuscript no. S 269-2.
Order from OTS or SLA \$1.60 63-23007

Trans. of ~~Laboratornoe Delo~~ (USSR) 1962, v. 8,
no. 8, p. 3-5.

DESCRIPTORS: *Blood chemistry, Diagnosis, Tests,
*Thiols, Titration.

The apparatus, chemicals employed, and the pro-
cedures used for determining the blood sulfhydryl
groups by amperometric titration are described. It is
suggested that this procedure can be widely applied in
diagnosing specific pathology, or intoxications and in
ascertaining the effectiveness of specific therapy. This
method can be used in any regular biochemistry
laboratory.

63-23007

- I. Title: Amperometric titration
1. Sokolovskii, V. V.
- II. FASEB S-269-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

(Biological Sciences--Pathology,
TT, v. 10, no. 9)

Office of Technical Services

S-608/53

Utilization of the EF-3 Fluorimeter for the
Quantitative Determination of the Adrenaline and
Noradrenaline, by A. S. Sharov, 4 pp.

RUSSIAN, per, Laboratornoye Delo, No 3 (6), 1962,
pp 53-55.

CIA/FDD X-5166

Sci - Biol & Med
Jul 63

235, 476

J-597/63

Instantaneous Method for Determining Blood Groups
and Rh-Factor in a Drop of Blood Taken From a Finger,
by Z. F. Vasil'yeva. (DC-8636)

RUSSIAN, per, Laboratornoye Delo, No 9, 1962, pp 5-9.

*JPRS 13-47

Sci - Med

May 63

TT-63-23898

Ustimenko, L. M.
THE CULTIVATION OF TREPONEMA PALLIDUM.
[1963] [14p] (figs omitted) 20 refs FASEB manuscript
no. S368-2.

Order from OTS, SLA, or ETC \$1.60 TT-63-23898
figs available on loan from OTS

Trans. of Laboratories Delo (USSR) 1962, v. 8, no. 9,
p. 15-19. (Abstract available)

DESCRIPTORS: *Treponema pallidum, *Culture media,
Anaerobiology, Spirochaetales.

It was found that the best media for cultivation of *T. pallidum* on the surface of solid medium are: 2% agar in Marten broth supplemented with 20% rabbit serum or 5-10% egg yolk. In order to create anaerobic conditions the method of N. P. Kalashnikova gives the best results. *T. pallidum* colonies on the surface of solid medium.
(Biological Sciences--Microbiology, TT, v. 11, no. 6)
(over)

- I. Ustimenko, L. M.
- II. FASEB S-368-2
- III. Federation of American
Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta, Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-64-13405

Mansurova, I. D.
MICROCHEMICAL INVESTIGATION OF CERTAIN
ENZYMES IN LIVER PUNCTURE SPECIMENS FROM
PATIENTS WITH EPIDEMIC HEPATITIS. [1963] [8p]
19 refs FASEB manuscript no. S370-2.
Order from OTS, SLA, or ETC \$1.10 TT-64-13405

Trans. of Laboratornoe Delo (USSR) 1962, v. 8,
no. 9, p. 26-29.

DESCRIPTORS: Microanalysis, *Enzymes, Liver,
*Diagnostic agents, *Hepatitis, *Biochemistry.

(Biological Sciences--Pathology, TT, v. 11, no. 5)

- I. Mansurova, I. D.
- II. FASEB-S-370-2
- III. Federation of American
Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-23850

Taukrova, F. M.
ELECTROPHORETIC STUDIES OF PROTEINS FROM
THE BLOOD SERUM OF DONORS IN DIFFERENT
AGE GROUPS. [1963] [8p] FASEB Manuscript no.
S 373-2.

Order from OTS or SLA \$1.10 63-23850

Trans. of Laboratornoe Delo (USSR) 1962, v. 8,
no. 9, p. 40-42.

DESCRIPTORS: *Electrophoresis, Proteins, Blood
serum, *Blood transfusions, *Aging (Physiology),
*Blood proteins.

(Biological Sciences--Physiology, TT, v. 10, no. 12)

- I. Taukrova, F. M.
- II. FASEB S-373-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-63-24518

Syudmak, N. V., Gultur, M. I., and Khudoshina, E. M.

TRILONOMETRIC DETERMINATION OF CALCIUM AND MAGNESIUM IN THE CSF AND OTHER BIOLOGICAL FLUIDS. [1963] [9p] 18refs FASEB Manuscript no.: S376-2.

Order from OTS, SLA, or ETC \$1.10 TT-63-24518

Trans. of Laboratorije Delo (USSR) 1962, v. 8, no. 9, p. 55-59. (Abstract available)

DESCRIPTORS: *Cerebrospinal fluid, Body fluids, Chemical analysis, Magnesium, Calcium, Diagnostic agents, Biological status, Ion exchange, *Colorimetric analysis, *Chemical indicators, *Ethylenedinitrilo tetracetates,

The modified trilonometric method is suitable for use in the determination of the concentration of Ca and Mg in the CSF, blood serum and other biological fluids. (Biological Sciences--Pathology, TT, v. 11, no. 6)over)

I. Title: Trilon B

I. Syudmak, N. V.

II. Gultur, M. I.

III. Khudoshina, E. M.

IV. FASEB-S-376-2

V. Federation of American

Societies for Experimental Biology,

Washington, D. C.

VI. Scripta Technica, Inc.,

Washington, D. C.

Office of Technical Services

Lentsner, A. and Yurgenson, M.
ACCELERATED METHODS FOR THE DETERMI-
NATION OF GELATINASE [1963] [8p] (fig. omitted)
8 refs FASEB Manuscript no. S 223-3.
Order from OTS, SLA or ETC \$1.10 TT-63-23828

Trans. of Laboratories Delo (USSR) 1962, v. 8,
no. 10, p. 37-39.

DESCRIPTORS: *Gelatin, Hydrolysis, Enzymes,
*Culture media, Microorganisms.

(Biological Sciences--Microbiology, TT, v. 11, no. 3)

TT-63-23828

- I. Lentsner, A.
- II. Yurgenson, M.
- III. FASEB S-223-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-23827

Litvinenko, S. N.
RAPID METHOD FOR BIOAUTOGRAPHIC DEVELOP-
MENT OF PAPER CHROMATOGRAMS IN WORK
WITH ANTIBIOTICS. [1963] [6p] 3 refs FASEB Manu-
script no. S 224-3.

Order from OTS or SLA \$1.10 63-23827

Trans. of Laboratornoe Delo (USSR) 1962, v. 8,
no. 10, p. 49-51.

DESCRIPTORS: *Paper chromatography, Drugs,
*Antibiotics, *Biological assay, Photographic recording
media, Biological stains.

(Biological Sciences--Pharmacology, TT, v. 10, no. 12)

- I. Litvinenko, S. N.
- II. FASEB S-224-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services